| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SSLSessionContext.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/net/ssl/SSLSessionBindingListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/net/ssl/SSLSocket.html) | [**FRAMES**](http://docs.google.com/index.html?javax/net/ssl/SSLSessionContext.html)    [**NO FRAMES**](http://docs.google.com/SSLSessionContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **javax.net.ssl**

Interface SSLSessionContext

public interface **SSLSessionContext**

A SSLSessionContext represents a set of SSLSessions associated with a single entity. For example, it could be associated with a server or client who participates in many sessions concurrently.

Not all environments will contain session contexts.

There are SSLSessionContext parameters that affect how sessions are stored:

* Sessions can be set to expire after a specified time limit.
* The number of sessions that can be stored in context can be limited.

A session can be retrieved based on its session id, and all session id's in a SSLSessionContext can be listed.

**Since:** 1.4 **See Also:**[SSLSession](http://docs.google.com/javax/net/ssl/SSLSession.html)

| **Method Summary** | |
| --- | --- |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html) | [**getIds**](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#getIds())()            Returns an Enumeration of all session id's grouped under this SSLSessionContext. |
| [SSLSession](http://docs.google.com/javax/net/ssl/SSLSession.html) | [**getSession**](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#getSession(byte%5B%5D))(byte[] sessionId)            Returns the SSLSession bound to the specified session id. |
| int | [**getSessionCacheSize**](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#getSessionCacheSize())()            Returns the size of the cache used for storing SSLSession objects grouped under this SSLSessionContext. |
| int | [**getSessionTimeout**](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#getSessionTimeout())()            Returns the timeout limit of SSLSession objects grouped under this SSLSessionContext. |
| void | [**setSessionCacheSize**](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#setSessionCacheSize(int))(int size)            Sets the size of the cache used for storing SSLSession objects grouped under this SSLSessionContext. |
| void | [**setSessionTimeout**](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#setSessionTimeout(int))(int seconds)            Sets the timeout limit for SSLSession objects grouped under this SSLSessionContext. |

| **Method Detail** |
| --- |

### getSession

[SSLSession](http://docs.google.com/javax/net/ssl/SSLSession.html) **getSession**(byte[] sessionId)

Returns the SSLSession bound to the specified session id.

**Parameters:**sessionId - the Session identifier **Returns:**the SSLSession or null if the specified session id does not refer to a valid SSLSession. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if sessionId is null.

### getIds

[Enumeration](http://docs.google.com/java/util/Enumeration.html) **getIds**()

Returns an Enumeration of all session id's grouped under this SSLSessionContext.

**Returns:**an enumeration of all the Session id's

### setSessionTimeout

void **setSessionTimeout**(int seconds)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the timeout limit for SSLSession objects grouped under this SSLSessionContext.

If the timeout limit is set to 't' seconds, a session exceeds the timeout limit 't' seconds after its creation time. When the timeout limit is exceeded for a session, the SSLSession object is invalidated and future connections cannot resume or rejoin the session. A check for sessions exceeding the timeout is made immediately whenever the timeout limit is changed for this SSLSessionContext.

**Parameters:**seconds - the new session timeout limit in seconds; zero means there is no limit. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the timeout specified is < 0.**See Also:**[getSessionTimeout()](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#getSessionTimeout())

### getSessionTimeout

int **getSessionTimeout**()

Returns the timeout limit of SSLSession objects grouped under this SSLSessionContext.

If the timeout limit is set to 't' seconds, a session exceeds the timeout limit 't' seconds after its creation time. When the timeout limit is exceeded for a session, the SSLSession object is invalidated and future connections cannot resume or rejoin the session. A check for sessions exceeding the timeout limit is made immediately whenever the timeout limit is changed for this SSLSessionContext.

**Returns:**the session timeout limit in seconds; zero means there is no limit.**See Also:**[setSessionTimeout(int)](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#setSessionTimeout(int))

### setSessionCacheSize

void **setSessionCacheSize**(int size)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets the size of the cache used for storing SSLSession objects grouped under this SSLSessionContext.

**Parameters:**size - the new session cache size limit; zero means there is no limit. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the specified size is < 0.**See Also:**[getSessionCacheSize()](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#getSessionCacheSize())

### getSessionCacheSize

int **getSessionCacheSize**()

Returns the size of the cache used for storing SSLSession objects grouped under this SSLSessionContext.

**Returns:**size of the session cache; zero means there is no size limit.**See Also:**[setSessionCacheSize(int)](http://docs.google.com/javax/net/ssl/SSLSessionContext.html#setSessionCacheSize(int))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SSLSessionContext.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/net/ssl/SSLSessionBindingListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/net/ssl/SSLSocket.html) | [**FRAMES**](http://docs.google.com/index.html?javax/net/ssl/SSLSessionContext.html)    [**NO FRAMES**](http://docs.google.com/SSLSessionContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).